

11-28-97 0358195 8195524 2 002 19

RM-9225

WILEY, REIN & FIELDING
1776 K Street, N.W.
Washington, DC 20006
Operating Account

No. 096928

Date	Amount
11/26/1997690.00

Pay Six Hundred Ninety and No/100 Dollars ONLY

To the
Order of FCC

National Bank of DC, N.A.
Washington, DC 20005
18-122/0-40

Barry J. Strauss
(Two Signatures Required For Amounts Over \$1,000.00)

⑈096928⑈ ⑆054001204⑆ ⑆000370298 7⑈ ⑆0000069000⑆

ORIGINAL

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION

APPROVED BY OMB 3060-0589

REMITTANCE ADVICE

SPECIAL USE

FCC USE ONLY

(1) LOCKBOX # 358195

PAGE NO. 1 OF 1

SECTION A - PAYER INFORMATION

(2) PAYER NAME (if paying by credit card, enter name exactly as it appears on your card)

Wiley, Rein & Fielding

(3) TOTAL AMOUNT PAID (dollars and cents)

\$ 690.00

(4) STREET ADDRESS LINE NO. 1

1776 K Street, N.W.

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Washington

(7) STATE

D.C.

(8) ZIP CODE

20006

(9) DAYTIME TELEPHONE NUMBER (include area code)

(202) 429-7000

(10) COUNTRY CODE (if not in U.S.A.)

IF PAYER NAME THE AND APPLICANT NAME ARE DIFFERENT, COMPLETE SECTION B
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C)

SECTION B - APPLICANT INFORMATION

(11) APPLICANT NAME (if paying by credit card, enter name exactly as it appears on your card)

Blue Chip Broadcasting, Ltd.

(12) STREET ADDRESS LINE NO. 1

1821 Summit Road, Suite 401

(13) STREET ADDRESS LINE NO. 2

(14) CITY

Cincinnati

(15) STATE

Ohio

(16) ZIP CODE

45237

(17) DAYTIME TELEPHONE NUMBER (include area code)

(513) 679-6006

(18) COUNTRY CODE (if not in U.S.A.)

COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEETS (FORM 159-C)

SECTION C - PAYMENT INFORMATION

(19A) FCC CALL SIGN/OTHER ID

WCKX(FM)

(20A) PAYMENT TYPE CODE (PTC)

M P R

(21A) QUANTITY

1

(22A) FEE DUE FOR (PTC) IN BLOCK 20A

\$ 690.00

FCC USE ONLY

(23A) FCC CODE 1

(24A) FCC CODE 2

(19B) FCC CALL SIGN/OTHER ID

(20B) PAYMENT TYPE CODE (PTC)

(21B) QUANTITY

(22B) FEE DUE FOR (PTC) IN BLOCK 20B

\$

FCC USE ONLY

(23B) FCC CODE 1

(24B) FCC CODE 2

(19C) FCC CALL SIGN/OTHER ID

(20C) PAYMENT TYPE CODE (PTC)

(21C) QUANTITY

(22C) FEE DUE FOR (PTC) IN BLOCK 20C

\$

FCC USE ONLY

(23C) FCC CODE 1

(24C) FCC CODE 2

(19D) FCC CALL SIGN/OTHER ID

(20D) PAYMENT TYPE CODE (PTC)

(21D) QUANTITY

(22D) FEE DUE FOR (PTC) IN BLOCK 20D

\$

FCC USE ONLY

(23D) FCC CODE 1

(24D) FCC CODE 2

SECTION D - TAXPAYER INFORMATION (REQUIRED)

(25)

PAYER TIN

0 5 2 1 2 8 9 9 8 8

(26) COMPLETE THIS BLOCK ONLY IF APPLICANT NAME IN B-11 IS DIFFERENT FROM PAYER NAME IN A-2

APPLICANT TIN

0 3 1 1 4 5 9 3 4 9

SECTION E - CERTIFICATION

(27) CERTIFICATION STATEMENT

I, Cara Moylan

(PRINT NAME)

, Certify under penalty of perjury that the foregoing and supporting information
are true and correct to the best of my knowledge, information and belief. SIGNATURE *Cara Moylan*

SECTION F - CREDIT CARD PAYMENT INFORMATION

(28)

MASTERCARD/VISA ACCOUNT NUMBER:

EXPIRATION DATE:

MASTERCARD

VISA

I hereby authorize the FCC to charge my VISA or MASTERCARD
for the service(s)/authorization(s) herein described.

AUTHORIZED SIGNATURE

MONTH YEAR

DATE

RM-9225

WILEY, REIN & FIELDING

1776 K STREET, N.W.
WASHINGTON, D. C. 20006
(202) 429-7000

November 26, 1997

WRITER'S DIRECT DIAL NUMBER
(202) 828-3165

FACSIMILE
(202) 429-7049

BY HAND

Magalie Roman Salas, Secretary
Federal Communication Commission
c/o Mass Media Services
P.O. Box 358195
Pittsburgh, Pennsylvania 15251-5195

Re: Blue Chip Broadcasting, Ltd., Minor Modification of
License for WCKX(FM), London, Ohio

Dear Mr. Caton:

Transmitted herewith, in triplicate, on behalf of Blue Chip Broadcasting, Ltd., is a minor modification application (FCC Form 301) for licensed facility WCKX(FM), London, Ohio.

This application requests both a site change and an increase in height above-average terrain for the WCKX facility.

In addition, a check in the amount of \$690.00 made payable to the "F.C.C." and the required Fee Remittance Advice (FCC Form 159) are included with this filing.

If any questions should arise concerning this matter, kindly contact the undersigned directly.

Respectfully submitted


Cara Moylan

cc: Ross Love
WCKX(FM) Public File

FOR
FCC
USE
ONLY

RM-9225

FCC 301

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

FOR COMMISSION USE ONLY

FILE NO.

~~BP#~~ 971202 IE

Section I - GENERAL INFORMATION

1. APPLICANT NAME (Last, First, Middle Initial)

Blue Chip Broadcasting, Ltd.

MAILING ADDRESS (Line 1) (Maximum 35 characters)

1821 Summit Road, Suite 401

MAILING ADDRESS (Line 2) (Maximum 35 characters)

CITY

Cincinnati

STATE OR COUNTRY (if foreign address)

OH

ZIP CODE

45237

TELEPHONE NUMBER (include area code)

(513) 679-6006

CALL LETTERS

WCKX(FM)

OTHER FCC IDENTIFIER (IF APPLICABLE)

2. A. Is a fee submitted with this application?

☒ Yes ☐ No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1113) and go to Question 3.

☐ Governmental Entity ☐ Noncommercial educational licensee ☐ Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A)	(B)	(C)	
FEE TYPE CODE	FEE MULTIPLE (if required)	FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
M P R	0 0 0 1	\$ 690.00	

To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

(A)	(B)	(C)	
			FOR FCC USE ONLY
		\$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (2), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE.

TOTAL AMOUNT
REMITTED WITH THIS
APPLICATION

\$ 690.00

FOR FCC USE ONLY

Section I - GENERAL INFORMATION (Page 2)

3. This application is for: (check one box)

☐ AM

☒ FM

☐ TV

(b) Channel No. or Frequency

292A, 106.3 MHz

(b) Principal
Community

City

State

London

OH

(c) Check one of the following boxes:

☐ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: _____

☒ MINOR change in licensed facilities; call sign: _____ WCKX

☐ MAJOR modification of construction permit; call sign: _____

File No. of construction permit; call sign: _____

☐ MINOR modification of construction permit; call sign: _____

File No. of construction permit; call sign: _____

☐ AMENDMENT to pending application: Application File Number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

4. Is this application mutually exclusive with a renewal application?

☐ Yes ☒ No

If Yes, state:

Call letters

Community of License

City

State

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No
N/A

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC Form 396-A).

SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?
2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

☒ Yes ☐ No
☒ Yes ☐ No

If No, attach as an Exhibit, a full explanation.

Exhibit No.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of person contacted: Derrick Peterman

Telephone No. (include area code): (614) 852-4938

Person contacted (check one box below):

☒ Owner ☐ Owner's Agent ☐ Other (specify)

4. By checking Yes, the applicant certifies, that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

☒ Yes ☐ No

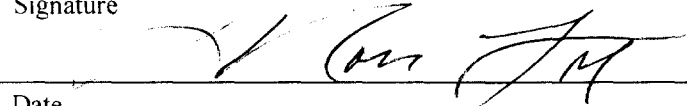
The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached Exhibits are considered material representations, and that all Exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Name <u>L. BOSS LOPE H</u>	Signature 
Title <u>CEO/PRESIDENT</u>	Date <u>November 25, 1997</u>
Typed or Printed Name of Person Signing <u>L. BOSS LOPE H</u>	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

ENGINEERING EXHIBITS

FOR COMMISSION USE ONLY

File No. _____

SSB Referral Date _____

Referred By _____

SECTION V-B - FM BROADCAST ENGINEERING DATA

Name of Applicant

Blue Chip Broadcasting, Ltd.

Call Letters (if issued)

WCKX

Is this application being filed in response to a window?

☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

☐ Construct a new (main) facility☐ Construct a new auxiliary facility☐ Modify existing construction permit for main facility☐ Modify existing construction permit for auxiliary facility☒ Modify licensed main facility☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☒ Antenna supporting structure height☐ Effective radiated power☒ Antenna height above average terrain☐ Frequency☒ Antenna location☐ Class☐ Main Studio location☐ One-Step processing☒ Directional Antenna Change pattern☐ Other (summarize)File Number(s) BLH-920828KK

1. Allocation:

Channel No.	Principal community to be served:		
	County	City or Town	State
292	Madison	London	OH

Class (check only one box below)

☒ A ☐ B1 ☐ B ☐ C3☐ C2 ☐ C1 ☐ C

2. Exact location of antenna.

- (a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

N side of St Rt 665, 2.15 km WNW of intersection of 665 & W Jefferson/Kiousville Rd, Madison Co, OH

- (b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array.

Otherwise, specify tower location. Specify South Latitude and East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed. (The Commission requires coordinates based on NAD 27.)

Latitude	39 °	52 '	29 "	Longitude	83 °	18 '	19 "
----------	------	------	------	-----------	------	------	------

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)?

☐ Yes ☒ NoIf Yes, give call letter(s) or file number(s) or both. N/AIf proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any. N/A

Section V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?
If Yes, list old coordinates.

☐ Yes ☒ No

Latitude ° ' "	Longitude ° ' "
---	--

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
1

Date November 24, 1997 Office where filed Great Lakes Region- Des Plaines, IL

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	<u>None</u>		
(b)			

7. (a) Elevation (to the nearest meter)

(1) of site above mean sea level;	<u>300</u> meters
(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and	<u>89</u> meters
(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)].	<u>390 **</u> meters

- (b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground;	** Variation due to metric rounding. See Exhibit # 2 for details.	<u>85</u> meters (H)
		<u>85</u> meters (V)
(2) above mean sea level [(a)(1) + (b)(1)]; and		<u>385</u> meters (H)
		<u>385</u> meters (V)
(3) above average terrain.		<u>100</u> meters (H)
		<u>100</u> meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labeling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
2

9. Effective Radiated Power:

(a) ERP in the horizontal plane 6.0 kw (H*) 6.0 kw (V*)

Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevation plot of radiated field.

Exhibit No.
N/A

 kw (H*) kw (V*)

*Polarization

Section V-B - FM BROADCAST ENGINEERING DATA (Page 3)

10. Does this proposal modify a new unbuilt construction permit for an unbuilt, unlicensed facility?

☐ Yes ☒ No

If Yes, submit an Exhibit demonstrating compliance with 47 C.F.R. Section 73.3535 that includes a certification that construction will commence immediately upon grant of the construction permit application.

Exhibit No.
N/A

11. Is a directional antenna proposed?

☒ Yes ☐ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s), and tabulations of the relative field.

Exhibit No.
3

12. Will the proposed facility satisfy the requirements of 47 C.F.R. Section 73.315(a) and (b)?

☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.
N/A

13. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
N/A

14. Is this application being filed as a One-step proposal pursuant to the Report & Order in MM Docket 92-159, 8 FCC 2d 4735 (released July 13, 1993)?

☐ Yes ☒ No

If Yes, list the proposed allotment site coordinates to the nearest second below and attach an Exhibit demonstrating that the proposed allotment site is in compliance with the allotment standards. The Exhibit must contain: (1) an allotment site map that complies with the requirements of the April 5, 1985, Public Notice, Mimeo 3693, or a statement that the allotment site will be located on an existing tower; (2) a city coverage map, showing the allotment site is in compliance with 47 C.F.R. Section 73.315; (3) a showing demonstrating that the allotment site meets the minimum distance separation requirements of 47 C.F.R. Section 73.207; and (4) a statement that the proposed allotment site is suitable for tower construction.

Exhibit No.
N/A

The coordinates for the proposed allotment site are:

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

15. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☒ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

☐ Yes ☒ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.
N/A

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
4

(e) Is authorization pursuant to 47 C.F.R. Section 73.215 requested?

☒ Yes ☐ No

If the answer to (e) is Yes, attach as an Exhibit a complete engineering study demonstrating compliance with the minimum spacing requirements of 47 C.F.R. Section 73.215(e) and lack of prohibited overlap with the affected stations. The engineering study must include the following:

Exhibit No.
4

Section V-B - FM BROADCAST ENGINEERING DATA (Page 4)

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the Exhibit(s).

16. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band and amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.
5

17. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V (D). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
6

18. Attach as an Exhibit (name the source) a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
7

- (a) the proposed transmitter location, and the radials along which profile graphs have been prepared;
- (b) the 3.16 mV/m and 1 mV/m predicted contours; and
- (c) the legal boundaries of the principal community to be served.

19. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 1620.9 sq. km.

Population 99042 1990 Census (PL 94-171 files)

20. For an application involving an auxiliary facility only, attach as an Exhibit a map (Sectional Aeronautical Chart or equivalent) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
N/A

- (a) the proposed auxiliary 1 mV/m contour; and
- (b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

Section V-B - FM BROADCAST ENGINEERING DATA (Page 5)

21. Terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313)

Source of terrain data: (check only one box below)

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: NGDC)

☐ Linearly interpolated 3-second database

☐ Other (summarize)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*			
0	108.9	16.7	29.1
45	110.4	12.2	22.1
90	116.5	8.4	14.8
135	111.8	8.5	14.9
180	107.0	12.6	22.8
225	85.9	14.7	26.1
270	75.1	13.8	24.7
315	85.5	14.8	26.3

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

22. Environmental Statement. (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding identified health and safety guidelines issued by the American National Standards Institute?

☐ Yes

☒ No

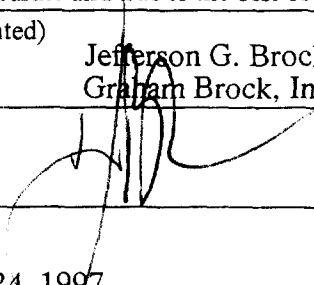
If you answer Yes, submit as an Exhibit an Environmental Assessment required by 47 C.F.R. Section 1.1311.

Exhibit No.
N/A

If No, explain briefly why not. This application categorically excluded from environmental processing under the provisions of Section 1.1306 of the Commission's rules. See Exhibit #8.

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Jefferson G. Brock Graham Brock, Inc.	Relationship to Applicant (e.g., Consulting Engineer)	Technical Consultant
Signature		Address (include ZIP Code)	P.O. Box 2446 St. Simons Island, GA 31522
Date	November 24, 1997	Telephone No. (include Area Code)	912-638-8028

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING, LTD
WCKX RADIO STATION
CH 292A - 106.3 MHZ - 6.0 KW
LONDON, OHIO
November 1997

TECHNICAL EXHIBIT

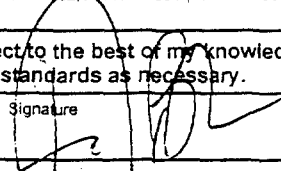
Copyright 1997

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING, LTD
WCKX RADIO STATION
CH 292A - 106.3 MHZ - 6.0 KW
LONDON, OHIO
November 1997

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Blue Chip Broadcasting, Ltd. ("BCB"), licensee of FM radio station WCKX, Channel 292A, London, Ohio. BCB is proposing to relocate the WCKX facility, increase the antenna supporting structure and height above average terrain.

Since BCB is proposing to construct a new tower structure for WCKX, the Federal Aviation Administration has been notified of this proposal (Exhibit #1). All information called for on FCC Form 301, Section V-B, is attached hereto including a portion of the Big Plain, Ohio, U.S.G.S. 7.5 minute topographic map on which the site is located (Exhibit #6). In addition, an original Big Plain map is included in the original WCKX application only as Exhibit #6A.

Notice of Proposed Construction or Alteration <small>US Department of Transportation Federal Aviation Administration</small>				Aeronautical Study Number	
Failure To Provide All Requested Information May Delay Processing Of Your Notice					
1. Nature of Proposal			2. Complete Description of Structure		
A. Type <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration*		B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)		C. Work Schedule Dates Beginning <u>FCC approval</u> End <u>18 months</u>	
* If Alteration, provide previous FAA Aeronautical Study Number, if available:					
3A. Name, address, and telephone number of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State, and Zip Code) Blue Chip Broadcasting, Ltd. c/o Graham Brock, Inc. (see below)			Please describe the proposed construction or alteration. A. For proposals involving transmitting stations, include effective radiated power (ERP) and assigned frequency. If not known, give frequency band and maximum ERP. B. For proposals involving overhead wire, transmission lines, etc., include the size and the configuration of the wires and their supporting structures. C. For buildings, include site orientation, dimensions, and construction materials. D. Optional - Describe the type of obstruction marking and lighting system desired. The FAA will consider this in their study. See attached supplement.		
3B. Name, address and telephone number of proponent's representative, if different than 3A. above. Graham Brock, Inc. P.O. Box 24466 St. Simons Island, GA 31522 (912) 638 - 8028					
4. Location Of Structure			5. Height and Elevation (to nearest foot)		
A. Coordinates (to hundredths of seconds, if known) Latitude <u>39</u> <u>52</u> <u>29.0</u> Longitude <u>83</u> <u>18</u> <u>19.0</u>		B. Nearest City or Town and State Lily Chapel, OH		C. Nearest public or military airport, heliport, flightpark, or seaplane base Bolton Field	
4D. Source for item 4A data. <input checked="" type="checkbox"/> USGS 7.5' Quad Chart <input type="checkbox"/> Survey <input type="checkbox"/> Other Specify _____ Indicate the reference datum. <input checked="" type="checkbox"/> NAD 27 <input type="checkbox"/> NAD 83 <input type="checkbox"/> Other Specify _____		(1). Distance to 4B 1.5 Statute miles		(1). Distance from structure to nearest point of nearest runway 9.13 statute miles	
		(2). Direction to 4B 65 deg. true		(2). Direction from structure to airport 78.6 deg.	
		4E. Description of site location with respect to highways, street, airports, prominent terrain, features, existing structures, etc. Please attach a U.S. Geological Survey Map (or equivalent) showing the construction site. If available, attach a copy of a documented site survey with the surveyor's certification. See attached supplement.			
<small>Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1501). Persons who knowingly and willfully violate the Notice requirements of Part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to Section 901(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1471(a)) as well as the fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. app. § 1472(a)).</small>					
I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards as necessary.					
Date 11/24/97		Typed or Printed Name and Title of Person Filing Notice Jefferson G. Brock, Consultant		Signature 	
FOR FAA USE ONLY					
The Proposal: <input type="checkbox"/> Does not require a notice to FAA. <input type="checkbox"/> Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C, and would not be a hazard to air navigation. <input type="checkbox"/> Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation. <input type="checkbox"/> Should be obstruction <input type="checkbox"/> marked <input type="checkbox"/> lighted per FAA Advisory Circular 70/7460-1, Chapters _____ <input type="checkbox"/> Obstruction marking and lighting are not necessary.		Supplemental Notice of Construction, FAA Form 7460-2, is required any time the project is abandoned, or <input type="checkbox"/> At least 48 hours before the start of construction. <input type="checkbox"/> Within five days after the construction reaches its greatest height. This determination expires on _____ unless: (a) extended, revised or terminated by the issuing office; (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit is made to the FCC on or before the above expiration date. In such cases the determination expires on the _____ denies the application. <small>NOTE: Request for extension of the eff at least 15 days prior to the expiration. If the structure is subject to the licensin</small>			
Remarks		<div style="border: 2px solid black; padding: 10px; text-align: center;"> EXHIBIT #1 MINOR CHANGE APPLICATION BLUE CHIP BROADCASTING LTD WCKX RADIO STATION CH 292A - 6.0 KW LONDON, OHIO November 1997 </div>			
NAD 83 Coordinates (Use these coordinates for any future correspondence with the FAA)					
Latitude _____					
Issued in _____		Signature _____			

SUPPLEMENT TO FAA FORM 7460-1

BLUE CHIP BROADCASTING, LTD.

Site location:

North side of State Route 665, 1.33 statute miles from the intersection of Route 665 and West Jefferson/Kiousville Road, rural Madison County, Ohio. See attached portion of 7.5 minute topographic map for site details.

Proposed use:

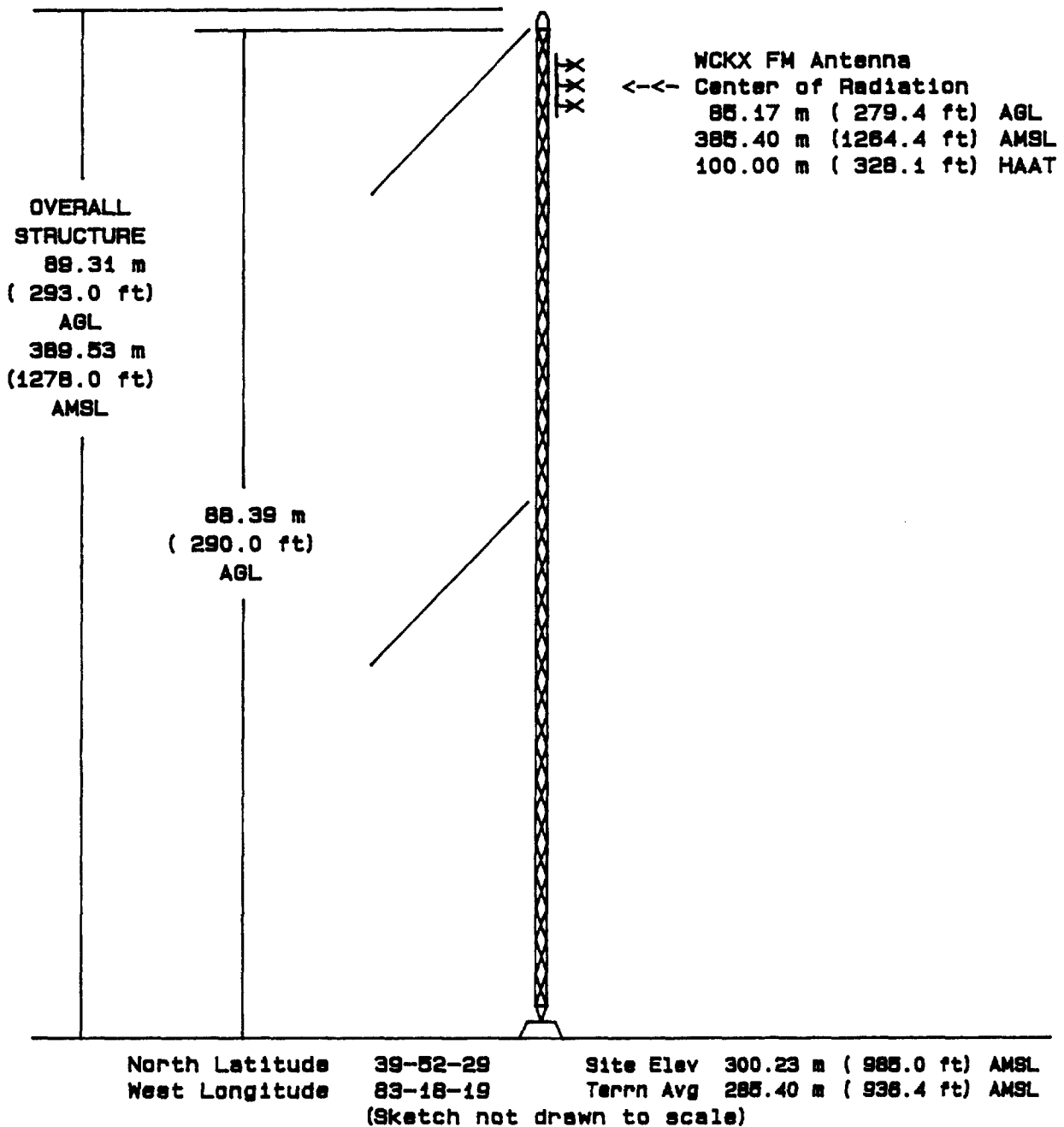
Radio tower
WCKX FM radio station
106.3 MHz - 6.0 kilowatts
3 bay antenna
Antenna center of radiation 1266.7 feet AMSL

Geographic coordinates:

	1927	1983 NADCON
North Latitude	39° 52' 29"	39° 52' 29.220"
West Longitude	83° 18' 19"	83° 18' 18.698"

Marking and lighting:

Standard red lights and orange/white paint is requested.



VERTICAL PLAN SKETCH

SITE ELEVATION - 300 m (985 ft) AMSL
 TOP OF STRUCTURE - 88 m (293 ft) AGL
 390 m (1278 ft) AMSL
 FM Antenna COR - 85 m (279 ft) AGL
 385 m (1264 ft) AMSL
 100 m (328 ft) HAAT

FIGURES ROUNDED TO NEAREST METER (FOOT) .

EXHIBIT #2

MINOR CHANGE APPLICATION
 BLUE CHIP BROADCASTING LTD
 WCKX RADIO STATION
 CH 292A - 6.0 KW
 LONDON, OHIO
 November 1997

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING, LTD
WCKX RADIO STATION
CH 292A - 106.3 MHZ - 6.0 KW
LONDON, OHIO
November 1997

EXHIBIT #3

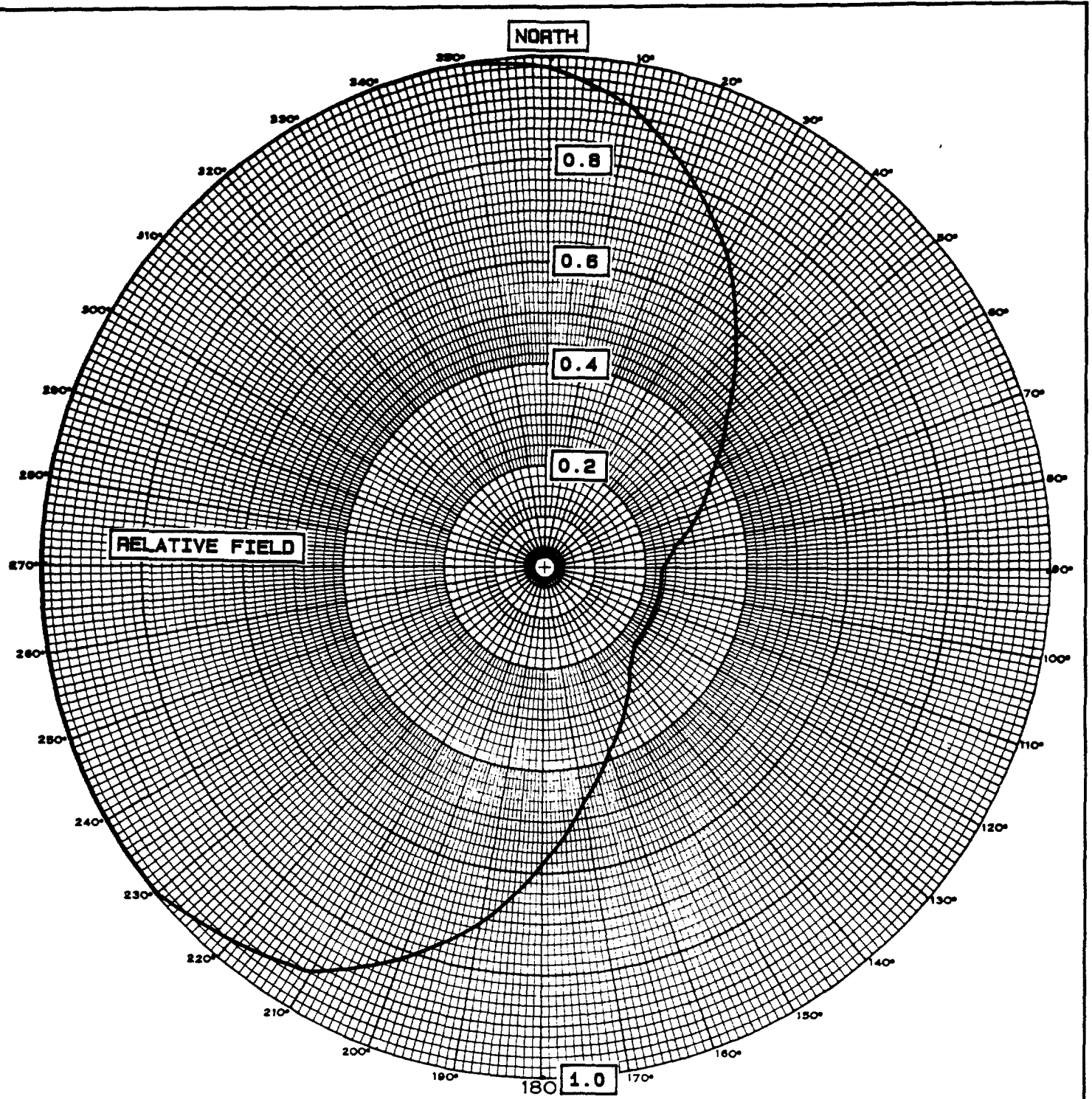
Directional Antenna System (§73.316 Compliance)

This application at London, Ohio, is proposing to use a directional FM antenna system to achieve the required amount of protection to one other FM facility, as detailed in Exhibit #4. The proposed antenna is manufactured by Shively Labs located in Bridgton, Maine. The antenna is a circularly polarized three bay radiator, Model # 6810-3-DA. The antenna is to be mounted on the proposed WCKX tower structure in accordance with the antenna manufacturer's specifications. WCKX has provided Blue Chip Broadcasting, Ltd., with an envelope pattern of the proposed system, which was developed from an actual measured pattern. This information was used in the preparation of all WCKX contours. The actual measured pattern, as submitted with the FCC Form 302-FM, application for station license, will come as close as possible to the envelope pattern attached hereto without exceeding the limits of the pattern on any azimuth.

Exhibit #3A is a relative field horizontal plane envelope pattern of the proposed system with the zero degree bearing oriented true north, in accordance with §73.316(c)(2). Attached, as Exhibit #3B, is the tabulated relative field pattern, horizontal plane, of the envelope antenna pattern. Maxima and minima are noted on the tabulation. This is a composite pattern, containing both horizontal and vertical polarizations. A representation of the typical vertical plane pattern of the proposed antenna system is included herein as Exhibit #3C. There will be no other antennas or tower attachments, including top-mounted platforms, installed near the directional

antenna system. Any other antennas mounted on the tower structure will be placed far enough away from the directional radiator so as to not affect the directional pattern. This distance that other antennas must be away from the FM radiator will be specified by the antenna manufacturer.

When Blue Chip Broadcasting, Ltd., files FCC Form 302-FM, it will include a statement from an Engineer that the antenna has been properly assembled. A statement from a licensed surveyor will also be included to demonstrate that the antenna has been oriented pursuant to the manufacturer's instructions.



HORIZONTAL PLANE PATTERN

EXHIBIT #3A
 MINOR CHANGE APPLICATION
 BLUE CHIP BROADCASTING LTD
 WCKX RADIO STATION
 CH 292A - 6.0 KW
 LONDON, OHIO
 November 1997

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING, LTD
WCKX RADIO STATION
CH 292A - 106.3 MHZ - 6.0 KW
LONDON, OHIO
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EXHIBIT #3B

Horizontal Plane Relative Field Envelope Pattern

Tabulated Data

DEGREES	RELATIVE FIELD	DEGREES	RELATIVE FIELD
0	.980	180	.580
10	.920	190	.710
20	.820	200	.820
30	.710	210	.920
40	.580	220	.960
45	.5225	225	.980
50	.465	* 230	1.000
60	.380	240	1.000
70	.320	250	1.000
80	.260	260	1.000
90	.230	270	1.000
100	.230	280	1.000
+ 110	.230	290	1.000
120	.230	300	1.000
130	.230	310	1.000
135	.245	315	1.000
140	.260	320	1.000
150	.320	330	1.000
160	.380	340	1.000
170	.465	* 350	1.000

+ Minima Relative Field.

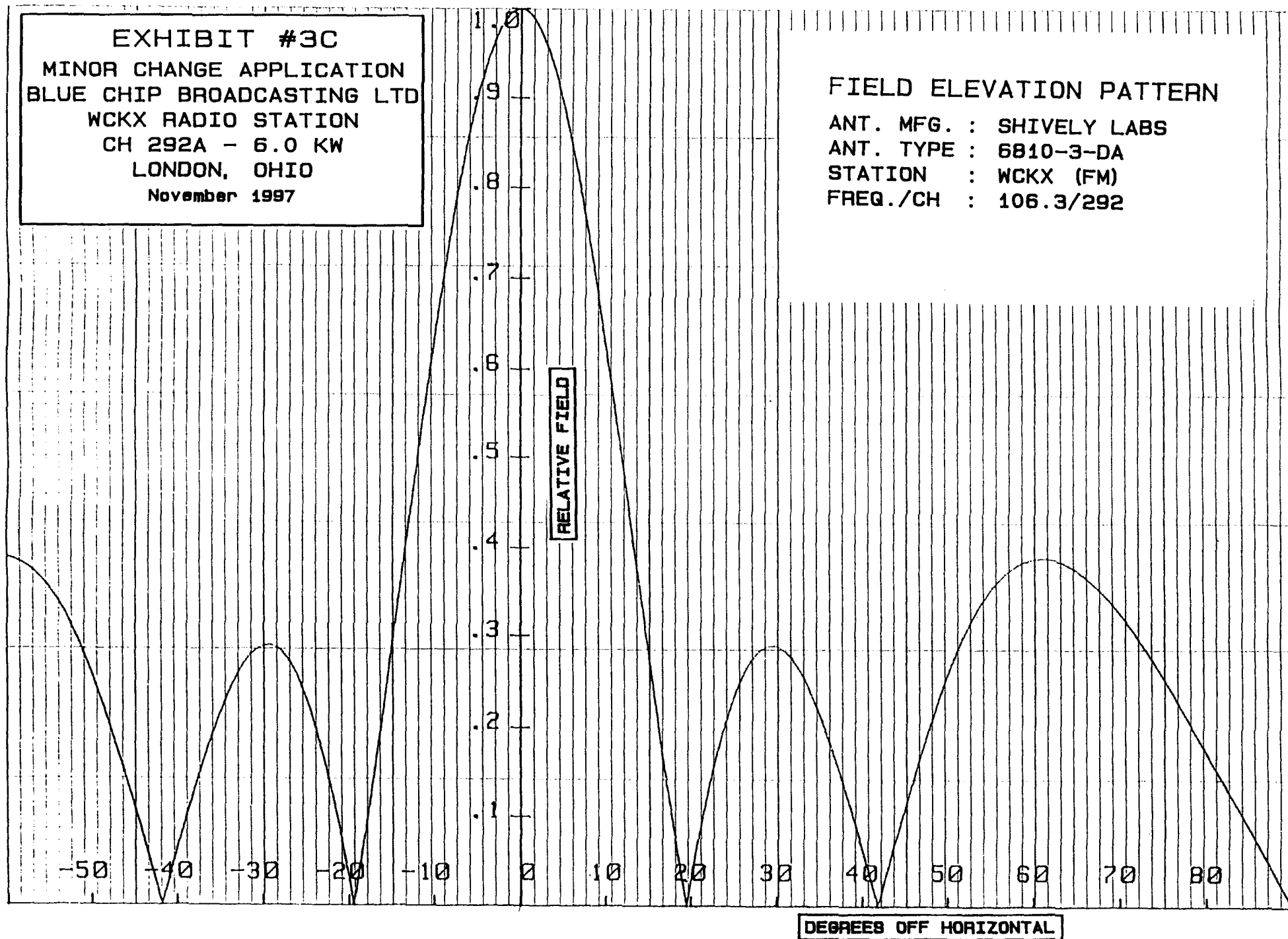
* Maxima Relative Field.

EXHIBIT #3C

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING LTD
WCKX RADIO STATION
CH 292A - 6.0 KW
LONDON, OHIO
November 1997

FIELD ELEVATION PATTERN

ANT. MFG. : SHIVELY LABS
ANT. TYPE : 6810-3-DA
STATION : WCKX (FM)
FREQ./CH : 106.3/292



MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING, LTD
WCKX RADIO STATION
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EXHIBIT #4

Shortspaced Facilities Utilizing Section 73.215

The WCKX proposed antenna location will be shortspaced to one other FM broadcast station, WWJM, New Lexington, Ohio. The detailed spacing information with regard to this station is shown on Exhibit #4A. Blue Chip Broadcasting, Ltd., proposes to use the provisions of §73.215 of the Commission's rules to address this shortspaced situation. The shortage to this facility complies with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by employing a directional antenna system to limit power to WWJM.

Exhibit #4B specifically demonstrates that there will be no prohibited overlap between the proposed WCKX and the authorized WWJM. The contours of WWJM are based on 6.0 kilowatts effective radiated power at a height above average terrain (HAAT) of 100 meters. The eight standard cardinal radials were used to determine the HAAT. Attached as Exhibits #4C and #4D are the tabulated distances to the protected and interfering contours, along pertinent arcs, of the proposed WCKX and authorized WWJM. Further, attached as Exhibit #4E is the tabulated protected and interfering contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

CLEARANCE STUDY FOR WCKX RADIO STATION LONDON, OHIO
USING PROPOSED SITE AS REFERENCE

REFERENCE		CLASS A	DISPLAY DATES
39 52 29 N			DATA 11-14-97
83 18 19 W		Current rules spacings	SEARCH 11-24-97
----- CHANNEL 292 -106.3 MHz -----			

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WCKX	292A	London	OH	276.4	10.14	115.0	-104.86
LI ZCN	39 53 05	83 25 23	6.000 kW	100M	6.3	71.5	
Blue Chip Broadcasting, Ltd.					BLH-920828KF		
* WWJM	292A	New Lexington	OH	96.0	98.22	115.0	-16.78
LI CN	39 46 37	82 09 54	1.700 kW	191M	61.0	71.5	
Perry County Broadcasting Co., Inc.					BLH-930601KD		
WVNOFM	291B	Mansfield	OH	30.3	114.73	113.0	1.73
LI CN	40 45 50	82 37 04	40.000 kW	166M	71.3	70.2	
Johnny Appleseed Broadcasting					BLH-911030KB		
WLSN	293B	Greenville	OH	285.7	115.43	113.0	2.43
LI CN	40 08 49	84 36 36	50.000 kW	146M	71.7	70.2	
Treaty City Broadcasting Corp					BLH-901105KD		
WHQK	289A	Marysville	OH	8.8	33.61	31.0	2.61
LI CN	40 10 26	83 14 42	2.500 kW	156M	20.9	19.3	
Tel Lease, Inc.					BLH-941118KL		
WSRWFM	294B	Hillsboro	OH	198.3	82.84	69.0	13.84
LI CN	39 09 58	83 36 25	50.000 kW	75M	51.5	42.9	
The Highland Broadcasting Co.					BLH-850911KA		
WMRNFM	295B	Marion	OH	10.2	83.42	69.0	14.42
CP CN	40 36 50	83 07 47	25.000 kW	109M	51.8	42.9	
Marion Radio Company					BPH-970627IH		
WMRNFM	295B	Marion	OH	10.1	83.52	69.0	14.52
LI CN	40 36 54	83 07 54	25.000 kW	104M	51.9	42.9	
Marion Radio Company					BLH-5697		
WQTL	292A	Ottawa	OH	337.1	130.62	115.0	15.62
LI CN	40 57 21	83 54 42	1.400 kW	149M	81.2	71.5	
M.M. Group, Inc.					BLH-890223KE		
WPFBFM	290B	Middletown	OH	246.3	98.18	69.0	29.18
LI CN	39 30 57	84 21 05	34.000 kW	181M	61.0	42.9	
Radio Stations WPAY/WPFB, Inc					BLH-5985		

CHANNEL 292A SPACING STUDY

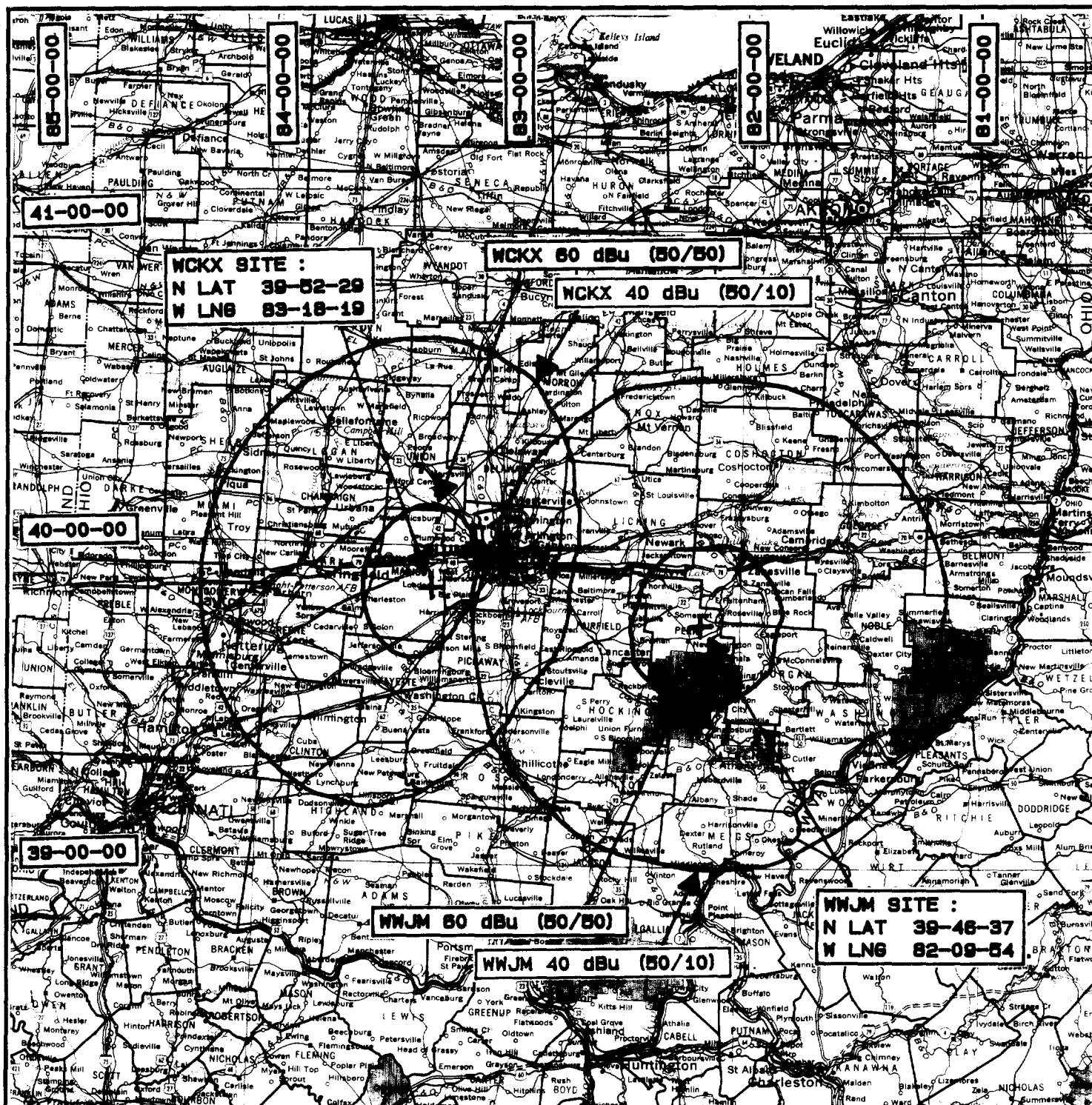
* NOTE : THE SHORTAGE TO WCKX IS ADDRESSED
UNDER SECTION 73.215 OF THE RULES.
SEE EXHIBIT #4 FOR DETAILS.

EXHIBIT #4A

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING LTD
WCKX RADIO STATION
CH 292A - 6.0 KW
LONDON, OHIO
November 1997

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS



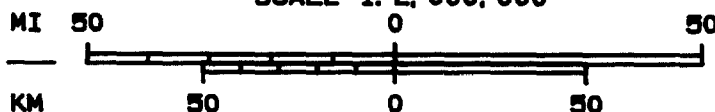
CHANNEL 292A ALLOCATION STUDY

MAP IS A PORTION OF THE 1: 2, 000, 000 SCALE
U.S.G.S. NATIONAL ATLAS MAP.

EXHIBIT #4B

MINOR CHANGE APPLICATION
BLUE CHIP BROADCASTING LTD
WCKX RADIO STATION
CH 292A - 6.0 KW
LONDON, OHIO
November 1997

SCALE 1: 2, 000, 000



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